Amendments to the Claims

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims:

1. (Original) A method for generating an SMS business message for processing by a software application comprising the steps of:

sending a list of a plurality of available inbound templates for a SMS business message to a mobile recipient;

receiving from the mobile recipient a selection of at least one of the available inbound templates from the list;

generating at least one encoded categorized SMS business message in response to and corresponding to the selection received from the mobile recipient such that the generated at least one encoded categorized SMS business message includes a corresponding inbound template;

sending the generated at least one encoded categorized SMS business message to the mobile recipient; and

receiving at least one request sent from the mobile recipient in response to the sending of the at least one encoded categorized SMS business message to perform a business transaction in a data processing system

~~a data collection interface accepting outgoing instructions and outgoing data from said software application;~~

~~a message encoding engine encoding said outgoing instructions and outgoing data from said software application using an encoding template to generate the SMS business message as a categorized SMS message formatted for processing by a data processing system; and~~

~~a dispatcher runtime processor processing said SMS business message for transmission over a network to a recipient~~.

2. (Currently Amended) The method of claim 1, wherein the sending of the generated at least one encoded categorized SMS business message includes~~further comprising the step of~~ transmitting the SMS business message over a network to the mobile~~a~~ recipient.

3. (Original) The method of claim 2 wherein the SMS business message comprises:

a message text entry field for alerting the recipient about a commerce event; and

an encryption string entry field.

4. (Original) The method of claim 3 wherein the SMS business message further comprises:

a response indicator label;

a recipient data entry field associated with said response indicator label;

a recipient authentication indicator label; and

a recipient authentication data entry field associated with said recipient authentication indicator label.

5. (Previously presented) The method of claim 3 wherein said encryption string entry field is adapted to accept communication session identification data.

6. (Original) The method of claim 5 wherein said session identification data may be used to associate a response to a sent message.

7. (Original) The method of claim 6 wherein said session identification data may be used to identify a software application to process a response to a sent message.

8. (Previously presented) The method of claim 3 wherein said encryption string entry field is adapted to accept security data.

9. (Currently Amended) The method of claim 4 wherein said recipient authentication data entry field is adapted to accept a personal identification number (PIN) from said mobile recipient.

10. (Currently Amended) The method of claim 4 wherein the SMS business message further comprises:

a first recipient data entry field associated with said response indicator label, wherein said first recipient data entry field is adapted to allow a response to be inserted by a first

mobile~~responding~~ recipient; and

a second recipient data entry field associated with said authentication indicator label, wherein said second recipient data entry field is adapted to allow a response to be inserted by a second mobile~~responding~~ recipient.

11. (Currently Amended) The method of claim 1 wherein the generating of the at least one encoded categorized SMS business message~~encoding template~~ comprises an encoding template which includes categorization~~categorisation~~ meta data defining a categorization~~categorisation~~ of SMS business messages, wherein:

the ~~categorisation~~categorization represents a specific businesses intended usage;

the ~~categorisation~~categorization meta data provides a definition of the ~~categorisation~~categorization; and

the ~~categorisation~~categorization meta data is parsable by a~~said~~ data processing system for generating SMS business messages.

12. (Currently Amended) The method of claim 11 wherein the encoding template further comprises:

a message entry field for insertion of a message entry of full SMS message length for access by ~~a~~said mobile recipient, wherein:

said template provides an additional field in said SMS business message for ~~categorisation~~categorization meta data; and

said meta data provides instructions for encoding a business intended usage of an SMS business message.

13. (Original) The method of claim 12 wherein said meta data includes instructions for dispatching said SMS business message including instructions selected from:

a message priority;

a delivery time;

a number of recipients;

a delivery channel;

a need for confirmation;

a need for authentication;

a need for encryption; and

an intended web application to handle a response.

14. (Original) The method of claim 12 wherein said meta data includes instructions for identifying a software application intended to handle a response to said SMS business message.

15. (Currently Amended) The method of claim 2 further comprising the steps of:

~~a server~~ receiving in a server a SMS response message~~messages~~ sent from ~~a~~said mobile recipient in response to the sending~~transmission~~ of said at least one encoded categorized SMS business message;

decoding an encryption string within said SMS response message with an appropriate key to verify that said response message is directed to said server;

extracting identification from said SMS response message for processing information in said response;

identifying and obtaining a corresponding inbound template for said SMS response message from said server; and

parsing said SMS response message with said inbound template to extract incoming data and incoming instructions contained in said SMS response message, if any, for processing said data and instructions.

16. (Currently Amended) The method of claim 15, further comprising:

~~the~~ forwarding said extracted incoming data and incoming instructions to an application server for processing.

17. (Currently Amended) The method of claim 16 wherein said SMS response message includes:

an encryption string encoded with an encoding key;

identification information of a software application capable of processing said SMS response message; and

user authentication information.

18. (Original) The method of claim 17 wherein:
said server has access to said encoding key; and
said server has access to said inbound template.

19. (Currently Amended) The method of claim 2, further comprising ~~the steps of~~:
~~a server~~ receiving in a server the at least one request sent from the mobile recipient as an SMS response message sent from ~~a~~said mobile recipient in response to the sending~~transmission~~ of said at least one encoded categorized SMS business message; and
tracking in a response tracking database ~~tracking~~ said received SMS response message ~~in a response tracking database~~.

20. (Currently Amended) The method of claim 19, further comprising ~~the steps of~~:
~~an inbound template database~~ identifying and parsing said received SMS response message using an inbound template selected from an inbound template database; and
~~said dispatcher~~ processing said received SMS response message and forwarding the processed~~said~~ SMS response message~~messages~~ to ~~a~~said software application to invoke a command in said data processing system.

21. (Currently Amended) A system to generate~~Means for generating an~~ a SMS business message for delivery to a mobile recipient~~processing by a software application~~, comprising:
a server which includes:
~~means for~~ a data collection interface to accept~~accepting~~ outgoing instructions and outgoing data for the mobile recipient in response to the mobile recipient having selected at least one of a plurality of SMS inbound templates from a list sent to the mobile recipient by the system~~from said software application~~;
~~means for~~ a message encoding engine to generate an encoded~~encoding said outgoing instructions and outgoing data from said software application~~ SMS business message from information provided by the data collection interface, and corresponding to the selection by the mobile recipient of the at least one SMS inbound template, using an encoding template such that~~to generate~~ the SMS business message is~~as~~ a categorized SMS message formatted for processing by a data processing system; and
~~means for~~ a dispatcher runtime processor to process~~processing~~ said encoded

SMS business message for transmission over a network to ~~a~~the mobile recipient.

22. (Currently Amended) A computer program product directly loadable into an~~the~~ internal memory of a digital computer, comprising software code portions for performing, when said product is executed~~run~~ on a computer, a~~the~~ method including~~of claim 1~~:

sending a list of a plurality of available inbound templates for a SMS business message to a mobile recipient;

receiving from the mobile recipient a selection of at least one of the available inbound templates from the list;

generating at least one encoded categorized SMS business message in response to and corresponding to the selection received from the mobile recipient such that the generated at least one encoded categorized SMS business message includes a corresponding inbound template;

sending the generated at least one encoded categorized SMS business message to the mobile recipient; and

receiving at least one request sent from the mobile recipient in response to the sending of the at least one encoded categorized SMS business message to perform a business transaction in a data processing system.

23. (Currently Amended) A method for processing an incoming e-commerce SMS response message received by a server from a mobile recipient responding to an outgoing e-commerce SMS message, comprising:

receiving said SMS response message;

decoding an encryption string included within said SMS response message with an appropriate key to verify that said response message is directed to said server;

extracting identification from said SMS response message for processing information included in said response;

identifying and obtaining from a database a corresponding inbound message template for said response message from said server; and

parsing said SMS response message with said inbound message template to extract data and instructions contained in said response message, if any, for processing said data and instructions.

24. (Currently Amended) An SMS commerce message format for use in sending a commerce message over a network to a mobile recipient, comprising:

a message text entry field for alerting a mobile recipient about a commerce event identified in the message text entry field;

an encryption string entry field;

a response indicator label;

a recipient data entry field associated with said response indicator label;

a recipient authentication indicator label; and,

a recipient authentication data entry field associated with said recipient authentication indicator label.

25. (Original) The SMS message format of claim 24 wherein said encryption string entry field is adapted to accept communication session identification data.

26. (Original) The SMS message format of claim 24 wherein said encryption string entry field is adapted to accept security data.

27. (Original) The SMS message format of claim 24 wherein said recipient authentication data entry field is adapted to accept a PIN number from said recipient.

28. (Currently Amended) A computer program product comprising software code which is directly loadable into a memory of a digital computer and which when executed by the digital computer includes aAn SMS universal encoding template for encoding outbound SMS business messages for a data processing system for transmission over a network; comprising:
categorization meta data defining a commerce categorization of outbound SMS messages; such that said commerce categorization of outbound SMS messages representsrepresenting a specific businesses intended business usage of the outbound SMS message;, andwherein said categorization meta data providesproviding definitions of messages and instructions that are parsable into runtime objects used by said data processing system to generatefor generating SMS business messages.